

Title (en)

SPECTACLE LENS DESIGN, SPECTACLE LENS KIT AND METHOD OF MANUFACTURING A SPECTACLE LENS

Title (de)

BRILLEGLAS DESIGN, BRILLEGLAS KIT UND HERSTELLUNGSMETHODE EINES BRILLEGLASES

Title (fr)

DESIGN D'UN VERRE DE LUNETTES, KIT COMPRENANT UN VERRE DE LUNETTES ET MÉTHODE DE FABRIATION D'UN VERRE DE LUNETTES

Publication

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Application

EP 20211629 A 20201126

Priority

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Abstract (en)

A spectacle lens design for a spectacle lens (2) to be positioned relative to the eye of a wearer according to a given as-worn position is provided. The spectacle lens design includes- a clear distance zone (4),- a clear near zone (5), and- an intermediate zone (6) located between the clear distance zone (4) and the clear near zone (5) such that, when a spectacle lens (2) manufactured according to the spectacle lens design is positioned according to the as-worn position, the line of sight moves through the intermediate zone (6) when the viewing direction changes from viewing through clear distance zone (4) to viewing through the clear near zone (5) or vice versa. This intermediate zone (6) includes at least one of the following: focusing structures providing a focal power resulting in a myopic defocus when a spectacle lens (2) manufactured according to the spectacle lens design is positioned according to the as-worn position or diffusing structures (6a) leading to a diffusion of light passing the intermediate zone (6) According to the invention, at least one of the clear distance zone (4) and the clear near zone (5) extends over the whole width of the spectacle lens design. In addition, a computer-implemented method of designing a spectacle lens and method of manufacturing a spectacle lens are provided

IPC 8 full level

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CPC (source: EP US)

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Designated contracting state (EPC)

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BA ME

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DOCDB simple family (application)

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